NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Stat & Data: Warm Up

1. Using the list DATA1 that you got from Mrs. McNelis’ calculators, create a histogram below. Start your x-axis at 60 and make your classes (bars) 5 units wide.
2. Describe the distribution (shape, center, spread, **other notable features**). Do you think the highest observation is an outlier?
3. Find the following pieces of information using your calculator

Mean = \_\_\_\_\_\_\_\_\_\_ n = \_\_\_\_\_\_\_\_\_\_\_\_

Min = \_\_\_\_\_\_\_\_\_\_\_ Q1 = \_\_\_\_\_\_\_\_\_\_\_\_\_

Median = \_\_\_\_\_\_\_\_\_\_\_\_\_ Q3 = \_\_\_\_\_\_\_\_\_\_\_\_\_

Maximum = \_\_\_\_\_\_\_\_\_\_\_\_\_ IQR = \_\_\_\_\_\_\_\_\_\_\_\_

Range = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Create a boxplot of the data below (use your calculator to help you out).
2. Does the boxplot on the calculator think the highest observation is an outlier? What notable feature that was seen in the histogram does the boxplot ***not*** show?
3. What number does the highest 25% of the data lie above?
4. What number does the lowest 25% of the data lie above?
5. What is the range of the middle 50% of the data?